Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
1.07	Disposable of dismantaled unservicable Rubble stone masonry including with all loading and unloading and disposed to a lead up to 20km as per the direction of Engineer incharge								
	PWD SR 2018-19 Pg No 136 Item NO 17.1/17.5								
	Quantity as estimated for dismantaling of Rubble stone massonry is 330.972 cum	Cum							
	Quantity as estimated for for reuse is about 40% of dismantaled masonry of 330.72cum = 132.3 cum					50			
	Quantity as estimated as unservicable and disposable is about 60% of dismantaled masonry of 330.972 cum of item above 1.06 = 198.432 cum						281		
	Total						281	115.54	32504.42915
1.08	KSRRB M200-13.1. Dismantling of existing Structures like Culverts, Bridges, Retaining Walls and other Structures comprising of Masonry, Cement Concrete, Wood Work, Steel Work, including T & P and Scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceble Material, disposal of unserviceble Material and stacking the serviceble Material and serviceble Material with all lifts complete as per Specifications. By mechanical means, A cement concrete grade M-15 & M-20 including loading and unloading and disposal to a lead of 20km As per the direction of the engineer Incharge								
	PWD SR 2018-19 Pg No 139 Item NO 18.20								
	Dismantling of Existing Drain in Abbigere Park on LHS-280m+RHS310m total=590m	Cum							
	RCC Wall		2	590	0.15	1	177		
	Raft		1	590	1	0.15	89		
	Culvert slab at Singapur Garden road		1	40	6	0.1	24		
	Total						290	528.94	153128.13
1.09	KSRRB M200-26. Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No. 202								
	PWD SR 2018-19 Pg No 141 Item NO 18.49								
	Dismantling of kerb existing from Ch 0 to380 in Abbigere main road on LHS& RHS	m	1	590			590	12.72	7504.8

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
1.10	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, rass, brush, shrubs, saplings and trees of girth upto 300mm,by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (Throny Jungle)								
	(PWD SR 2018-19 Pg No 138 Item NO 18.11)								
	from ch 0 to 310 Abbigere road & 0 to 655singapur garden road	Sqm	2	965	5		9650	10.60	102290
1.12	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH I Chapter 3								
	(PWD SR 2018-19 Pg No 146 Item NO 19.56)								
	Scarifying the existing Bituminus surface for overlay with new bituminous surface	Sqm							
	Vide Typ CS-01 18M wide Road- ch 70 m starts near Divya JSR Limited Appartment to Gangamma Gudi Police station for a length of310 m in Abbigere roab way to Singapura Garden road		1	310	5.5		1705		
	Total					Sqmt	1705	41.34	70484.7
								Total for Bill of Quantity - 1	676525.58

N.D Venkatesh

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ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದಾಸರಹಳ್ಳಿ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿ
ಬೆಂಗಳೂರು-02.

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Detailed and Abstract Estimate

Name of the Work : Widening & Comprehensive Development of Singapura Garden Road from Abbigere Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

1 The rates adopted in this estimate are as per PW,P&IWTD, schedule of rates of Bengaluru circle for 2018-19 continued for 2020-21, & PW,P&IWD, schedule of rates for Electrical works for 2019-2020, also BWS&SB schedule of rates for 2017-18

2 The Area weightage pertaining to the BBMP limit of 6% for road works and 8% for Bridge items is adopted as per schedule of rates of Bengaluru circle of PW,P&IWTD, and No area weightage is considered rates selected from other SR

3 For New items units rates are arrived by deraiving from suitable SR items by adopting/deducting, material rates as given in the SR. Contractor profit and overhead charges of 10% each is considered while affecting either deduction / additon from main finished SR Items.

4 KTPP 1999 followed while Tendering and procurement of materials

Bill of Quantity - 2 Earth work
(excavation, embankment,sub grade)

Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
2.01	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 21.00 km and complete as per specifications. MORTH Specification No.301								
	PWD SR 2018-19 Pg No 143 Item NO 19.14								
	Earth work for Road way excavation	Cum							
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		1	310	12.6	0.88	3437.28		
	Deduct for existing carriage way retained in 18m c/s		-1	310	6.5	0.88	-1773.2		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	8	0.78	4087.2		
	Cross roads		3	5	5	0.78	58.5		
	Earthwork at Junctions at Wimmac & at Singapur garden road		2	50	15	0.78	1170		
	Earth work for Drain								
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to		2	310	1.3	1.25	1007.5		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	2	1.25	1637.5		
	Deduct for Culvert portion		1	-40	3	1	-120		
	Earth work for construction of Solid cemnt concrete Block at the edge of PROW to restrict the encroachment								
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to		2	155	1.4	1.5	651		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	328	2	1.5	982.5		
	Add for superelevation at junctions		1	20	10	0.5	100		
	Earth work for SSM Foundation to Chainlink fencing								

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements				Quantity	Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H			
1	2	3	4	5	6	7	8	9	10
	for Stone Masonary foundation wall for Chainlink fencing for School in Abbigere main road at ch 300m from wimmac junction		1	300	0.4	1.5	180		
	Earth work for Manholes &Laying NP3 Pipes for singapur Garden road of 655m length only, for Gangamma gudi road 310m incluuded in wood apartment road project								

N.D Venkatesh

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-02.

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
2.01	Manholes excavations (for depth of manhole from 1m to 2m)Avg height 1.2m	Cum	27	1.5	1.5	1.2	72.9		
	Laying of NP3 Pipes Manhole to Manholes Avg height 1.5m		1	655	0.5	1.2	393		
	Earth work for providing Utility duct from drain to drain @ 60m c/c below subgrade								
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		5	18	0.5	0.6	27.9		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		11	12	0.5	0.3	39.3		
	Total						**11951.4**		
	Deduct for using approved earth deposited at site from roadway cutting using for construction of embankment as shown in item below 2.03						**-1129.7**		
	Deduct for using approved earth deposited at site from roadway cutting using for construction of median as shown in item below 2.03						**0**		
	Grand total						**10821.7**	**43.46**	**470312.3858**
2.02	Earth work in excavation for foundation of structures like culverts , retaining walls etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specifications, including cost of labour, HOM etc, complete. in all kinds of soil by Mechanical means								
	PWD SR 2018-19 Pg No 256 Item NO34.15.2								
	Earth work for Culvert in Singapur Garden road	Cum							
	Foundation as per drawing		2	40	3.3	2	**528**	**47.70**	**25185.6**
2.03	Disposable of excavated un servicable road way earth with all lead of 19 km as per the direction of Engineer in charge								
	PWD SR 2018-19 Pg No 136 Item NO 17.4 Derived from SR								
	Excavated earth from item no 2.01 =	Cum					**10821.7**	**48.64**	**526368.9472**
2.04	KSRRB M300-54.Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Table 300-2 complete asper specifications. Which includes, watering charges & compaction by vibratory roller) MORTH Specification No. 305								
	PWD SR 2018-19 Pg No 147 Item NO 19.61								
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road	**Cum**	1	310	12.6	0.15	585.9		
	Deduct for existing carriage way retained in 18m c/s		-1	310	6.5	0.15	-302.25		
	Formation of embankment in Singapur Gardan Road from CH 0 TO 655 lowlaying in widening portion		1	655	8	0.15	786		
	Add for superelevation at junctions		1	20	10	0.3	60		
	Total						**1129.65**	**100.70**	**113755.755**

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Measurements				Quantity	Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H			
1	2	3	4	5	6	7	8	9	10
2.05	KSRRB M300-53. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site,spreading, grading to of watering charges & compaction by vibratory roller to 97% of modified Table No. 300-2 complete as per specifications, including cost of earth,required slope and compacted to meet requirement watering charges & compaction by vibratory roller to 97% of modified proctors density) MORTH Specification No. 305								
	PWD SR 2018-19 Pg No 147 Item NO 19.60								
	Subgrade for Road way	Cum							
	Vide Typ CS-01 18M wide Road- ch 70 m starts near Divya JSR Limited Appartment to Gangamma Gudi Police station for a length of310 m in Abbigere roab way to Singapura Garden road		1	310	12.6	0.2	781.2		
	Deduct for existing carriage way retained in 18m c/s		-1	310	6.5	0.2	-403		
	Vide Typ CS-02 12M wide Road- form ch 0-630		1	655	8	0.2	1048		
	Cross roads		3	5	5	0.3	22.5		
	Earthwork at Junctions Wimmac+Singapur garden road		2	50	15	0.3	450		
	Add for superelevation at junctions		1	20	10	0.3	60		
	Deduct for Culvert portion		1	-40	3	0.3	-36		
	Total						1922.7	344.50	662370.15
2.06	KSRRB M400-18. Construction of Median and island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other structures, spread, graded and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407								
	(PWD SR 2018-19 Pg No 155 Item NO 20.19)	Cum							
	for median filling in 18m wide road								
	Typ CS-01 18M wideRoad- form Ch 070 to 380m upto Gangamma Gudi police station		0	310	0.6	0.3	0		
	Total						0	2.12	0
							Total for Bill of Quantity - 2		1797992.838

N.D Vanjeles

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Name of the Work : **Widening & Comprehensive Development of Singapura Garden Road from Abbigere Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)**

Detailed and Abstract Estimate

1 The rates adopted in this estimate are as per PW,P&IWTD, schedule of rates of Bengaluru circle for 2018-19 continued for 2020-21, & PW,P&IWD, schedule of rates for Electrical works for 2019-2020, also BWS&SB schedule of rates for 2017-18

2 The Area weightage pertaining to the BBMP limit of 6% for road works and 8% for Bridge items is adopted as per schedule of rates of Bengaluru circle of PW,P&IWTD, and No area weightage is considered rates selected from other SR

3 For New items units rates are arrived by deraiving from suitable SR items by adopting/deducting, material rates as given in the SR. Contractor profit and overhead charges of 10% each is considered while affecting either deduction / additon from main finished SR Items.

4 KTPP 1999 followed while Tendering and procurement of materials

Bill of Quantity - 3 Cement Concrete and Steel work
(PCC,RCC,Hysd,Masonry,plastering,painting,steel work,footpath,kerb,painting,etc.,)

Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
	Cement Concrete Works								
3.01	Providing and laying in possition plain cement concrete of mix 1:2:4 for sub-structure works like Culverts,retaining walls etc.,with cement@ 240 kgs, 40 mm & down size graded granite metal coarse aggreate @ 0.84 cum and fin aggregates @ 0.46cum machine mixed, with necessary scoffolding form work etc., including cost of labour, HOM curing etc., complete								
	PWD SR 2018-19 Pg No 256 Item NO 34.16								
	Foundation-PCC For Drain work	Cum							
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		2	310	1.5	0.1	93		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	1.5	0.1	98.25		
	Cross roads		3	5	1.5	0.1	2.25		
	at Junctions Wimmac+Singapur garden road		2	20	1.5	0.1	6		
	PCC For Kerb Abbigere road 310m length for 4 sides		4	310	0.17	0.1	20.46		
	for singapur garden road +cross roads		4	705	0.17	0.1	46.53		
	PCC for Solid cemnt concrete Block at the edge of PROW to restrict the encroachment								
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		2	310	0.3	0.1	18.6		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	0.3	0.1	19.65		
	PCC for SSM Masonry								
	for Stone Masonary foundation wall for Chainlink fencing for School		1	300	0.4	0.1	12		
	Coping concrete over SSM Masonry for Chain link fencing fixing for School		1	300	0.4	0.1	12		
	PCC work for Culvert in Singapur Garden road		2	40	4.2	0.2	67		
	Floor concrete between abutments to protect foundation		1	40	6	0.1	24		

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements				Quantity	Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H			
1	2	3	4	5	6	7	8	9	10
	Total						396	5023.34	1988941.24
3.02	Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffolding,form work etc., including cost of labour, HOM curing etc., complete.								
	PWD SR 2018-19 Pg No 222 Item NO 27.24								
	for Sub structure- Culverts at Singapura Garden Road	Cum							
	PCC & Mass Concrete For foundation to Culvert as per Drawing								
	Mass Concrete for Abutment								
	step-1		2	40	3.8	0.2	61		
	step-2		2	40	3.4	0.2	54		
	step-3		2	40	3	0.4	96		
	Haunch Concrete		2	40	2.15	0.4	69		
			2	40	0.17		14		
	Abutment								
	Vertical Wall (abutment wall) upto dirt wall		2	40	0.63	3.15	158		
			2	40	1	2	160		
	Total						611	5404.94	3302958.8

P.D Varkeys

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ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದಾಸರಹ
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No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)	
			No	L	B	D/H	Quantity			
1	2	3	4	5	6	7	8	9	10	
3.03	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height									
	PWD SR 2018-19 Pg No 226 Item NO 28.7.2									
	RCC for Drain wall and Raft	Cum								
	for Raft									
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch 1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		2	310	1.3	0.15	120.9			
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	1.3	0.15	127.725			
	Cross roads		3	5	1.3	0.15	2.925			
	Earthwork at Junctions Wimmac+Singapur garden road		2	20	1.3	0.15	7.8			
	for Drain wall									
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		4	310	0.15	1.1	204.6			
	- do- aditional quantities at 3 cross roads of length 10m , drain section of wall change 150mm to 200mm		2	30	0.05	1.1	3.3			
	Add for slab over drain at cross roads to cross the heavy vehicles		1	30	1.4	0.2	8.4			
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		2	655	0.15	1.1	216.15			
	- do- aditional quantities at 3 cross roads of length 10m , drain section of wall change 150mm to 200mm		2	40	0.05	1.1	4.4			
	Add for slab over drain at cross roads to cross the heavy vehicles		1	40	1.4	0.2	11.2			
	Cross roads		4	5	0.15	1.1	3.3			
	at Junctions Wimmac+Singapur garden road		2	20	0.15	1.1	6.6			
	RCC for Street light poles foundation for Singapur Garden road									
	RCC for 8 mtr pole foundation at the locations at 30m/c/c									
	Vide Typ CS for12M wide Road for Singapura		0	0.75	0.75	1.2	0			
			included in							
	Total RCC for Drain -A							717.3	A	
	for Culverts at Singapura Garden Road RCC Solid Slab forCulvert									
	Bed Block for Slab		2	40	1.2	0.5	48			
	RCC for Culvert Deck slab-		1	40	6	0.55	132			
	For approach slab		2	40	2	0.3	48			
	RCC for Parapet		2	8	0.5	0.6	4.8			
	Total for Culvert -B							233	B	
	Grand Total of Concrete = A+B							950.1	5610.58	5330612.06

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements				Quantity	Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H			
1	2	3	4	5	6	7	8	9	10
3.04	KSRRB M2200-6. Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking placing in position lapping and /or welding wherever required , tying with binding wire and anchoring to the adjoining members wherever necessary complete as design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No. 1600 & 2200. TMT Bars Fe 500								
	PWD SR 2018-19 Pg No 229 Item NO 27.28.2								
	Steel reinforcement for RCC wall @ 55 kg/cum of Conocrete Quantity of Concrete is M20 for Drain as above item **Total A** as above = 669.6cum@ 55 kg/cum	Tonne	1	39			39		
	Steel reinforcement for RCC @ 100 kg/cum of Conocrete Quantity of Concrete is M20 for Culvert slab as above item **Total B** as above = 190cum@ 100 kg/cum		1	23			23		
	Total						63	65046.9	4080489.61
3.05	KSRRB M2200-8. Providing weep holes in Brick masonry wrapping / Plain /Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe wrapping with Geotextile to prevent the earth, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per Specifications. MORTH Specification No.2706 & 2200								
	PWD SR 2018-19 Pg No 229 Item NO 28.10								
	Weep poles of 100mm dia AC Pipe for culvert	Nos/Mtr	60				60		
	Total						60	198.4108	11904.65
3.06	KSRB M2600-3, (ii) providing and fixing 250mm wide,20mm thick compressable fibre board in expansion joint complete as per drawing and Technical Specification including cost of materials and labour,HOM complete as per specifications, MORTH Specification No 2605								
	PWD SR 2018-19 Pg No 248 Item NO 32.13								
	Bituminous pad between dirt wall and slab	Sqm	2	40		1	80		
	Bituminous Pad along the Abutment at every		2	3		2.5	15		
	Total						95	126.14	11983.30
3.07	KSRRB M2200-9. Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 2504.2.2								
	PWD SR 2018-19 Pg No 229 Item NO 28.13								103596.16

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
3.08	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500,1700.								
	PWD SR 2018-19 Pg No 272 Item NO 37.66								
	Pre-cast cover slab for RCC Drain	m							
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartmer t to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		776	1.2			931.2		
	Deduct for reusing existing drain cover as in Item 3.10		-368	1.2			-441.6		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		819	1.2			982.8		
	Cross roads		10	1.2			12		
	Earthwork at Junctions Wimmac+Singapur garden road		25	1.2			30		
	Total						1514.4	1145.86	1735290.38

N:D Vanpeter

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಬೃಪತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-02.

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quantity		
1	2	3	4	5	6	7	8	9	10
09	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) in all respects as directed by the Engineer In charge								
	PWD SR 2018-19 Pg No 27 Item NO 5.33								
	Re fixing of length of Drain with avilable drain cover Typ CS -03 18M LHS & RHS	Sqm		148	1.2		177	111.30	19700.1
							Total for Bill of Quantity - 3		16644476.3

M.D Varghese

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-02

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Detailed and Abstract Estimate

Name of the Work : Widening & Comprehensive Development of Singapura Garden Road from Abbigere Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

1 The rates adopted in this estimate are as per PW,P&IWTD, schedule of rates of Bengaluru circle for 2018-19 continued for 2020-21, & PW,P&IWD, schedule of rates for Electrical works for 2019-2020, also BWS&SB schedule of rates for 2017-18

2 The Area weightage pertaining to the BBMP limit of 6% for road works and 8% for Bridge items is adopted as per schedule of rates of Bengaluru circle of PW,P&IWTD, and No area weightage is considered rates selected from other SR

3 For New items units rates are arrived by deraiving from suitable SR items by adopting/deducting, material rates as given in the SR. Contractor profit and overhead charges of 10% each is considered while affecting either deduction / additon from main finished SR Items.

4 KTPP 1999 followed while Tendering and procurement of materials

Bill of Quantity - 4 Sub Base work

(GSB,WMM,)

Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quanti ty		
1	2	3	4	5	6	7	8	9	10
4.01	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.								
	PWD SR 2018-19 Pg No 153 Item NO 20.5								
	GSB laying on sub grade	Cum							
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		1	310	12.6	0.2	781.2		
	Deduct for existing carriage way retained in 18m c/s		-1	310	6.5	0.2	-403		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	8	0.15	786		
	Deduct for culvert portion		1	-40	3	0.15	-18		
	cross road		3	5	5	0.15	11.25		
	at junctions		2	50	15	0.15	225		
	Total						1382.5	1994.92	2757877.2

Scanned with CamScanner

Detailed and Abstract Estimate

Name of the Work : Widening & Comprehensive Development of Singapura Garden Road from Abbigere Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

1 The rates adopted in this estimate are as per PW,P&IWTD, schedule of rates of Bengaluru circle for 2018-19 continued for 2020-21, & PW,P&IWD, schedule of rates for Electrical works for 2019-2020, also BWS&SB schedule of rates for 2017-18

2 The Area weightage pertaining to the BBMP limit of 6% for road works and 8% for Bridge items is adopted as per schedule of rates of Bengaluru circle of PW,P&IWTD, and No area weightage is considered rates selected from other SR

3 For New items units rates are arrived by deraiving from suitable SR items by adopting/deducting, material rates as given in the SR. Contractor profit and overhead charges of 10% each is considered while affecting either deduction / additon from main finished SR Items.

4 KTPP 1999 followed while Tendering and procurement of materials

Bill of Quantity - 4 Sub Base work (GSB,WMM,)

Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	Meaurements					Rate (in Rs)	Amount(in Rs) (Col 8x9)
			No	L	B	D/H	Quanti ty		
1	2	3	4	5	6	7	8	9	10
4.01	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.								
	PWD SR 2018-19 Pg No 153 Item NO 20.5								
	GSB laying on sub grade	Cum							
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		1	310	12.6	0.2	781.2		
	Deduct for existing carriage way retained in 18m c/s		-1	310	6.5	0.2	-403		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	8	0.15	786		
	Deduct for culvert portion		1	-40	3	0.15	-18		
	cross road		3	5	5	0.15	11.25		
	at junctions		2	50	15	0.15	225		
	Total						1382.5	1994.92	2757877.2

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Sl. No	Description of Items as per SoR or as approved in Rate analysis sheet	Unit	No	L	B	D/H	ty		Rs
1	2	3	4	5	6	7	8	9	
4.02	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	PWD SR 2018-19 Pg No 155 Item NO 20.18								
	WMM laying on GSB	Cum							
	Vide Typ CS-for 18M wide Road- starts from ch 920m near Divya JSR Limited Appartment to Gangamma Gudi Police station ch:1230m for a length of 310 m in Abbigere main road way to Singapura Garden road		1	310	12.6	0.25	976.5		
	Deduct for existing carriage way retained in 18m c/s		-1	310	6.5	0.25	-503.8		
	add for correction layer after scarifying Bituminous layer for existing carriage way		1	310	6.5	0.1	201.5		
	Vide Typ CS for12M wide Road for Singapura Garden Road- form ch 0 to ch:655 near Srinikethan BDA Layout		1	655	8	0.25	1310		
	Deduct for culvert portion		1	-40	3	0.25	-30		
	cross road		3	6	6	0.25	27		
	at junctions		2	25	25	0.25	312.5		
	Total						2293.8	2001.28	
								Total for Bill of Quantity - 4	

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